Arnica latifolia var. latifolia: Vancouver (UBC), Jun15/87.

Cardiocrinum giganteum: Vancouver (UBC), May 16/93.

Eryngium varifolium: Vancouver (UBC), Jul13/87.

Hedera helix: Combers Beach, Sep02/92. Hibiscus syriacus: Horseshoe Bay, Sep01/92.

Oxalis stricta: Vancouver (UBC), Jul13/87.

Rubus x loganobaccus: Vancouver (UBC), Oct16/92.

Symphytum officinale: Vancouver, Jun09/93.

SPYROTHECAE Passerini 1856, PEMPHIGUS

Populus nigra 'Italica': Ladner, Jul30/93; Royston, Sep04/92; Westham Island, Aug20/93.

*STACHYOPHILA Hille Ris Lambers 1966, AMPHOROPHORA

Stachys cooleyae: Radar Hill, Sep03/92.

STAPHYLEAE (Koch 1854), RHOPALOSIPHONINUS

Buxus harlandi: Vancouver (UBC), Apr18/86. Dianthus uralensis: Vancouver (UBC), Feb28/87.

Euonymus hamiltoniana var. hans: Vancouver (UBC), Jun03/89.

Staphylea pinnata: Vancouver (UBC), Jun03/89.

TENUICAUDA Bartholomew 1932, MACROSIPHUM

Urtica dioica ssp. gracilis var. lyallii: Abbotsford, Jun04/93; Vancouver, Aug18/89.

TESTUDINACEUS (Fernie 1852), PERIPHYLLUS

Acer platanoides 'Harlequin': Cumberland, Sep03/93.

Aesculus x carnea: Vancouver, May 18/93.

Aesculus hippocastanum 'Rubricunda': Vancouver (UBC), May24/89.

TILIAE (Linnaeus 1758), EUCALLIPTERUS

Tilia platyphyllos: Vancouver, May 18/93.

Tilia tomentosa 'Brabant': Vancouver (UBC), Oct16/92.

*TOLMIEA (Essig 1942), MACROSIPHUM

Tellima grandiflora: Vancouver (UBC), May29/93.

WAKIBAE (Hottes 1934), FIMBRIAPHIS

Vaccinium parvifolium: Vancouver (UBC), May18/93.

ACKNOWLEDGEMENTS

We wish to thank Dr. R.L. Blackman, British Museum (Natural History), London, England for valuable aid and advice in identifying the aphids; and Dr. G.B. Straley, U.B.C. Botanical Garden, Vancouver, B.C. for identifying host plants.

REFERENCES

Anonymous. 1982. National list of scientific plant names. Vol. 1. List of plant names. SCS-TP-159. U.S.D.A.

Anonymous. 1976. Hortus Third: A concise dictionary of plants cultivated in the United States and Canada. MacMillan Publishing Co., Inc. N. Y. Collier MacMillan Publishers, Lond.

Eastop, V.F., and D. Hille Ris Lambers. 1976. Survey of the world's aphids. Dr. W. Junk b.v., Publisher, The Hague.

Forbes, A.R., and C.K. Chan. 1993. *Sitobion blackmani* sp. nov. (Homoptera: Aphididae) from *Holodiscus discolor* ssp. *discolor* (Rosaceae) in British Columbia. Can. Entomol. 125: 737-744.

Forbes, A.R., and C.K. Chan. 1991. The aphids (Homoptera: Aphididae) of British Columbia. 20. Further additions. J. ent. Soc. Brit. Columbia 88: 7-14.

Forbes, A.R., and C.K. Chan. 1989a. Aphids of British Columbia. Res. Branch, Agric. Canada. Tech. Bull. 1989 - 1E.

Forbes, A.R., and C.K. Chan. 1989b. The aphids (Homoptera: Aphididae) of British Columbia. 19. Further additions. J. ent. Soc. Brit. Columbia 86: 82-88.

Forbes, A.R., B.D. Frazer and H.R. MacCarthy. 1973. The aphids (Homoptera: Aphididae) of British Columbia. 1. A basic taxonomic list. J. ent. Soc. Brit. Columbia 70: 43-57.

Taylor, R.L., and B. MacBryde. 1977. Vascular plants of British Columbia—A descriptive resource inventory. Tech. Bull. No.4. The Botanical Garden. Univ. of B.C.

First record of *Pseudohaida rothi* Hatch (Coleoptera: Staphylinidae: Omaliinae) from Canada

J. M. CAMPBELL¹ AND N. N. WINCHESTER²

ABSTRACT

Pseudohaida rothi Hatch is reported for the first time from Canada from an old-growth, temperate rain forest on Vancouver Island, B.C. Records of other rare species of the subfamily Omaliinae are given together with a brief discussion of the importance of the remaining intact old-growth forests in preserving the biodiversity contained in the forest regions of Canada.

DISCUSSION

Pseudohaida rothi was described by Hatch (1957), from two specimens collected by Vincent Roth from the Corvallis, Oregon area. No additional specimens had been found when *Pseudohaida* and related genera were revised by Campbell (1978), and until recently, the species continued to be known only from the two original types.

One of us (Campbell) recently examined several large collections of staphylinid beetles made by the second author (Winchester) in his systematic survey of the insects of a northern temperate, coastal, old-growth rain forest in the Upper Carmanah Valley on the west coast of Vancouver Island, British Columbia. These contained five specimens of *Pseudohaida rothi*, collected by Malaise traps between the dates of September 30 to October 27, 1991. In addition to these specimens, members of a number of other species of rare omaliine staphylinids were discovered, including three specimens of *Coryphium arizonense* (Bernhauer), a long series of *Subhaida ingrata* Hatch, one specimen of *Tanyrhinus singularis* Mannerheim, three specimens of *Trigonodemus fasciatus* Leech, and specimens of several new species of Omaliinae which will be described in later papers.

Specimens of each of these species are preserved in the Canadian National Collection of Insects, Centre for Land and Biological Resources Research, Ottawa. It is hoped that these discoveries will contribute to increased appreciation of the importance of intact old-growth forests as reservoirs of biological diversity in the Pacific Rain Forests of Canada. Many species of Coleoptera are restricted to old-growth forests where two important conditions for survival are met: first, a supply of over mature, fallen logs which are allowed to decay under natural conditions in the shade of the forest canopy and, secondly, the maintenance of deep layers of undisturbed forest floor litter which has not been eradicated by the extreme conditions of clear-cutting and subsequent exposure to desiccation and erosion. Forest litter and decaying logs are rich in a large variety of species of fungi, many of which also serve as hosts for species of beetles. It should be noted that many of the species living in these mature forests have minimal dispersal capabilities, thus limiting their ability to repopulate new forests.

ACKNOWLEDGEMENTS

Field work in the rainforest of the Carmanah Valley was supported by operating grants to R.A. Ring and N.N. Winchester from the B.C. Ministry of Forests, Research Branch. Acknowledgement is made to A. Mackinnon for his continued support. Special thanks are extended to our research assistants, S. Hughes, K. Jordan and B. Lund.

NOTES

- 1. Centre for Land and Biological Resources Research, Agriculture Canada, Ottawa, Ontario, Canada, K1A 0C6
- 2. Dept. of Biology, University of Victoria, Victoria, British Columbia, Canada, V8W 2Y2

REFERENCES

Campbell, T.M. 1978. A revision of the North American Omaliinae (Coleoptera:Staphylinidae). Mem. ent. Soc. Canada 106:87 pp.

Hatch, M.H. 1957. The Beetles of the Pacific Northwest. Part II. Staphyliniformia. Univ. Wash. Publ. Biol. 16:384 pp.

ERRATA

Volume 89, December 1992

Please note the following corrections to Volume 89 of the *Journal of the Entomological Society of British Columbia:*

- Blacker, N.C. 1992. Some ants (Hymenoptera: Formicidae) from Southern Vancouver Island, British Columbia. Entomol. Soc. Brit. Columbia 89:3–12.
- 1. Page 5, line 15. Add "Table 1" before "Table 2".
- 2. Page 7, line 36. "species" should read "specimens".
- 3. Page 9, line 7. Add "but was never abundant. The colonies seen contained" before "a few hundred".
- 4. Page 9, line 37. Add "twice" between "than" and "that".
- 5. Page 12, line 15. Add "not" between "species" and "recorded".

NOTICE TO CONTRIBUTORS

The Society has no support except from subscriptions. The page charge for articles has been set at \$45.00 and includes all extras except coloured illustrations, provided that such extras do not comprise more than 40% of the published pages. Coloured illustrations will be charged directly to the author. Authors not attached to universities or official institutions who must pay these charges from their personal funds and are unable to do so, may apply for assistance when submitting a manuscript.

Reprints are sold only in hundreds at the following prices:

Number of pages	1–4	5–8	9-12	13-16	17-20	21-24	25-28
First 100 copies	\$55.00	78.00	108.00	137.00	174.00	217.00	264.00
Each extra 100	12.00	16.00	20.00	24.00	28.00	32.00	36.00

Discounts up to 50% may be granted to authors who certify at the time of ordering that they are buying reprints at personal expense. Authors ordering personal reprints in addition to those ordered by an institution will be billed at the rate for extra hundreds.

Membership in the Society is open to anyone with an interest in entomology. Dues are \$15.00 per year; for students \$7.50.

Papers for the Journal need not have been presented at meetings of the Entomological Society of British Columbia, nor is it mandatory, although preferable, that authors be members of the Society. The chief condition is that the paper have some regional origin, interest, or application.

Contributions should be sent to:

P. Belton, Editor Dept. Biological Sciences Simon Fraser University Burnaby, B.C. V5A 1S6

Manuscripts should be typed double-spaced on one side of white, and if possible, line-numbered paper, leaving generous margins. The original and three copies are required. Tables should be on separate, numbered sheets, but more than one caption may be on a sheet. Photographs should be prints of good size, clarity and contrast. Line drawings should be in black waterproof ink on good quality white paper. The style, abbreviations and citations should conform to the Style Manual for Biological Journals published by the American Institute of Biological Sciences.

When the manuscript is accepted for publication, the editor will need two copies of the corrected draft and a 3.5" floppy disk containing the text. Plain ASCII text or files from the common word-processing programs are acceptable; more information will be included with the returned manuscript.

BACK NUMBERS

Back numbers of the Journal are available from Volume 45 (1949) to the present, at \$10.00 per volume. Certain earlier back numbers are also available.

Address inquiries to:

Dr. P. Belton, Editor.



Journal of the Entomological Society of British Columbia

Volume 90	Issued December 1993ISSN #0071-0733	
Directors of the Entomo	ological Society of British Columbia, 1993–94	2
	omson. Effects of soil type and moisture on emergence of tuber flea eris (Coleoptera: Chrysomelidae) from potato fields	
	d. Hymenopterous parasites of the blackheaded budworm, n Vancouver Island, British Columbia, 1970-1974	11
	. Sex pheromone components of an undescribed <i>Choristoneura</i> a: Tortricidae) on lodgepole pine in British Columbia	13
(Hymenoptera: Tricl	erson. Response of <i>Trichogramma</i> sp. nr. <i>sibericum</i> hogrammatidae) to age and density of its natural hosts, ota naevana (Lepidoptera: Tortricidae)	18
	and C. Ying. Variation in attack by Sitka spruce weevil, k), within a resistant provenance of Sitka spruce	24
	Borden and I. Price. Life history and pheromone response in Hopk. (Coleoptera: Curculionidae)	30
Clements, S.J., M.E. Be	rnard and D.A. Raworth. A versatile wind-resistant insect cage	35
	naar and T. Entz. Effect of burning alfalfa stubble ol on seed yield	41
	Croft. Phytoseiid mites associated with spider mites on hops ulley, Oregon	45
	Linton. Relationships between catches in flight and emergence n pine beetle, <i>Dendroctonus ponderosae</i> Hopk. (Col.: Scolytidae)	53
Effects of female ma	Lee, C. Maurice and D.E. Henderson. ating status and age on fecudity, longevity and sex ratio in atum (Hymenoptera: Trichogrammatidae)	61
Harper, A.M., B.D. Sch	aber, T. Entz and T.P. Story. Assessment of sweepnet and revaluating pest insect populations in hay alfalfa	
Chan, C.K. and B.D. Fra	azer. The aphids (Homoptera: Aphididae) of British Columbia	
	N. Winchester. First record of <i>Pseudohaida rothi</i> Hatch linidae: Omaliinae) from Canada	83
	ecember 1992	
NOTICE TO CONTRI	BUTORS inside back co	over



